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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/663,182	09/15/2003	Douglas Hauff	US9-002	1432
21567	7590	05/31/2006	EXAMINER	
WELLS ST. JOHN P.S. 601 W. FIRST AVENUE, SUITE 1300 SPOKANE, WA 99201			SNIDER, THERESA T	
			ART UNIT	PAPER NUMBER

1744

DATE MAILED: 05/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/663,182	Applicant(s) HAUFF ET AL.	
	Examiner Theresa T. Snider	Art Unit 1744	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 25 is/are allowed.
- 6) ☒ Claim(s) 1-24 and 26-28 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>9/15/2003</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

2. The disclosure is objected to because of the following informalities:

Exemplary of such:

Page 9, line 2, '30A' should be replaced with '30a';

Line 3, '30B' should be replaced with '30b' AND should be moved to after 'portion';

0022, line 4, '43' should be moved to after 'surface'.

Page 12, line 5, '130' should be inserted after 'motor';

0027, line 1, '160' should be inserted after 'source'.

Page 13, 0028, line 2, 'a passageway' should be replaced with 'the passageway'.

Page 14, line 1, 'a combustible' should be replaced with 'the combustible';

0029, next to the last line, 'provide' should be replaced with 'provided'.

Pages 15 and 16, 'A's and 'a's should be replaced with 'The' or 'the' because the elements have been previously recited.

Page 17, 0030, 'A's and 'a's should be replaced with 'The' or 'the' because the elements have been previously recited.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 1-11, 13-24 and 26-28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Exemplary of such:

Claims 1 and 12, line 1 recite a cleaning apparatus however the claims fail to set forth any structure that would facilitate cleaning of a surface;

Line 9, 'source of' should be inserted before 'combustible'.

Claims 2-11, 13-18, 20-24 and 26-28, line 1, 'A' should be replaced with 'The'.

Claim 3, line 4, 'cleansing' should be replaced with 'cleaning'.

Claim 6, line 12, 'supply' should be replaced with 'source'.

Claim 19, line 16, it is unclear as to whether the heated fluid delivered to an object is the same fluid from line 9 which is dispensed from the tank.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for

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patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1, 12 and 14-15 are rejected under 35 U.S.C. 102(a,e) as being clearly anticipated by Sugimoto et al..

Sugimoto et al. discloses a fluid dispensing tank that dispenses a cleaning fluid (0093).

Sugimoto et al. discloses a heat exchanger coupled in downstream fluid flowing relation to the tank (fig. 20, #170,173,174).

Sugimoto et al. discloses a source of combustible fluid fuel (fig. 1, #16).

Sugimoto et al. discloses a source of air (fig. 1, #11).

Sugimoto et al. discloses a catalytic heater in heat transferring relation relative to the heat exchanger (fig. 1, #34,64).

With respect to claim 12, Sugimoto et al. discloses a fluid dispenser coupled to the tank (0093, lines 13-15).

With respect to claim 14, Sugimoto et al. discloses a blower assembly (fig. 1, #11).

With respect to claim 15, Sugimoto et al. discloses the fuel supply being hydrogen (abstract).

Allowable Subject Matter

7. Claim 25 is allowed.

8. Claim 19 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

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9. Claims 2-11, 13, 16-18, 20-24 and 26-28 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

10. The following is a statement of reasons for the indication of allowable subject matter: The prior art discloses a fluid dispensing tank, a heat exchanger, a source of fuel and a catalytic heater HOWEVER fails to disclose or fairly suggest a fluid dispenser that dispenses fluid to an object of interest or the catalytic heater assembly, when supplied with a source of fuel, heating fluid to be delivered to an object of interest. The prior art discloses an apparatus with a wheeled chassis, a fluid dispensing tank, a fluid dispenser, a heat exchanger, a source of fuel, an air stream and a catalytic heater HOWEVER fails to disclose or fairly suggest the further inclusion of a fluid extractor, a temperature sensor, a first and second remotely controllable fluid flow control devices, a fuel sensor and a controller.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Charboneau et al. discloses a catalytic heater with a heat exchange jacket. Brulfert et al. discloses a catalytic heater where the heated fluid is passed to a heat exchanger. Shero, Roden and Sales disclose cleaning apparatus with a heat exchanger and an internal combustion engine that produces exhaust gas used in the heat exchanger. Sundberg and Jones disclose cleaning apparatus with a water heater having a burner.

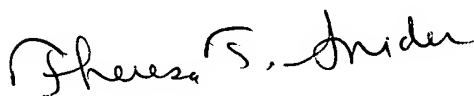
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Theresa T. Snider whose telephone number is (571) 272-1277.

The examiner can normally be reached on Monday-Thursday (5:30am-2:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gladys Corcoran can be reached on (571) 272-1214. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Theresa T. Snider
Primary Examiner
Art Unit 1744

5/30/2006